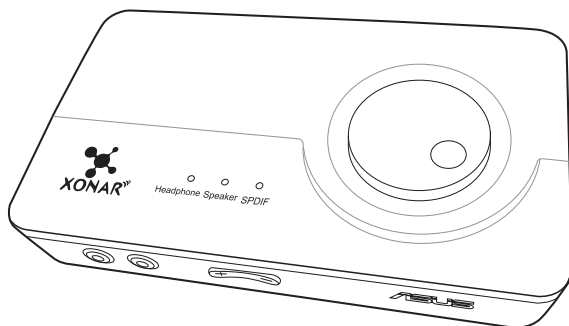




Xonar U7

7.1 USB Soundcard & Headphone Amplifier



User Manual

E8237
First Edition (V1)
April 2013

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1. Introduction

1.1 Package contents

Check your ASUS Xonar™ U7 audio card package for the following items:

- ASUS Xonar™ U7 7.1-Channel USB Audio Card
- Driver CD
- S/PDIF TOSLINK optical adapter x 1
- Quick Start Guide
- USB Cable x 1

1.2 System requirements

To ensure a successful installation of the Xonar U7 audio card, make sure that your computer meets the following requirements:

- USB port 2.0 and above
- Microsoft® Windows® 8 / 7 / XP (32/64bit)
- Intel® Pentium® 4 1.4GHz or AMD Athlon 1400 CPU or faster CPU
- More than 256MB system memory
- More than 60MB available storage space for driver installation
- CD-ROM drive (or DVD-ROM drive) for software installation
- High-quality headphones, powered analog speakers, or a Dolby Digital decoder, to enjoy the audio card's high fidelity

1.3 General Specification

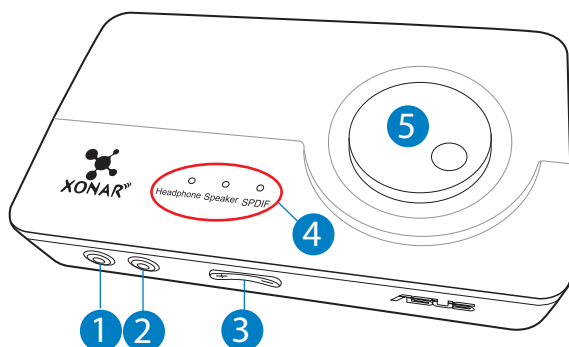
Items	Description
Audio Performance	
Output Signal-to-Noise Ratio (A-Weighted)	up to 114dB
Input Signal-to-Noise Ratio (A-Weighted):	110dB
Output Total Harmonic Distortion + Noise at 1kHz (A-Weighted) :	up to 0.0006% (104dB)
Input Total Harmonic Distortion + Noise at 1kHz (A-Weighted) :	up to 0.0001% (-100dB)
Frequency Response (-3dB, 24-bit/96kHz format):	< 10Hz to 46KHz
Output / Input Full-Scale Voltage	1 Vrms (2.828 Vp-p) for line out 1.3 Vrms (3.677 Vp-p) for headphone out 1 Vrms (3.677 Vp-p) for line in
Bus Compatibility	
USB audio class	- USB audio class 2.0 for all functions - USB audio class 1.0 for playback
Main Chipset	
Audio Processor	Cmedia 6632A High-Performance Sound Processor (Max. 192KHz / 24bit)
D-A Converter of Digital Sources	Cirrus CS4398* 1 (120dB SNR, Max. 192kHz/24bit) Cirrus CS4362* 1 (114dB SNR, Max. 192kHz/24bit)
A-D Converter for Analog Inputs	Cirrus CS5361* 1 (114dB SNR, Max. 192kHz/24bit)
Sample Rate and Resolution	
Analog Playback Sample Rate and Resolution	44.1K/48K/88.2K/96K/172.4K/192KHz @ 16/24bit
Analog Recording Sample Rate and Resolution	44.1K/48K/88.2K/96K/172.4K/192KHz @ 16/24bit
S/PDIF Digital Output	44.1K/48K/88.2K/96K/172.4K/192KHz @ 16/24bit
ASIO 2.0 Driver Support	44.1K/48K/88.2K/96K/172.4K/192KHz @ 16/24bit

Items	Description
I/O Ports	
Analog Output Jack	RCA (phone) jack * 2 (Front left / Front right) 3.50mm mini jack * 3 for surround (Side/Center-Subwoofer/Rear-out) 3.50mm mini jack * 1 (Headphone out)
Analog Input Jack	3.50mm mini jack * 1 (Shared by Line-In / Mic-In)
Button	Output volume knob/Output selection / Microphone Volume)
Digital S/PDIF Output	High-bandwidth coaxial port supports 192HKz/24bit with one S/PDIF TOSLINK optical adapter
Driver Features	
Operation System	Windows® 8 / 7 / XP (32/64bit)

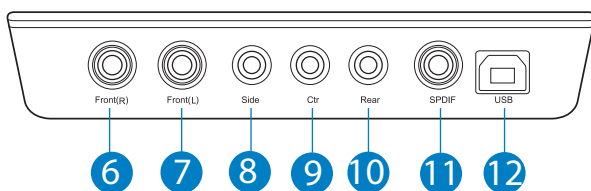
2. Hardware

Xonar U7 Audio Card

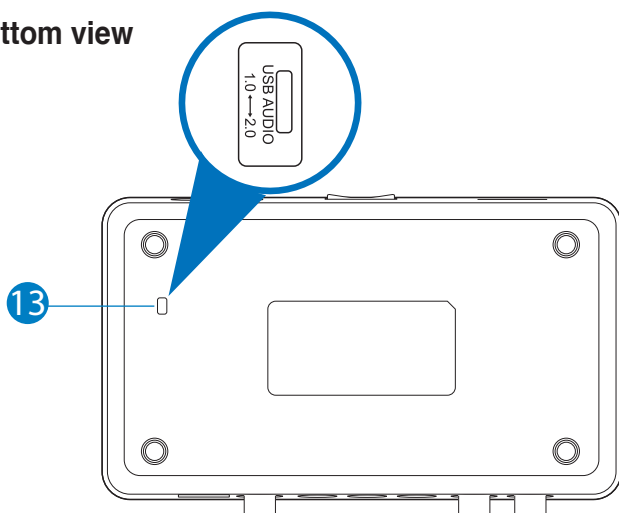
Top view



Rear view



Bottom view



No.	Items	Description
1.	Headphone Out port	Connect your headphone to this port.
2.	Microphone In port	Connect your external PC microphone to this 3.5mm port for voice input.
	Line In port	Connect analog devices like MP3 players, CD players, music synthesizers, and other line-level sound sources to this 3.5mm port for audio recording or processing.
3.	Microphone Volume Control	Press to increase or decrease microphone volume.
4.	Output Selection Indicator	LED indicator indicates different output selection (Headphone/Speaker/S/PDIF).
5.	Output Selection/Volume Control	Rotate to adjust the playback volume. Press to select an output source.
6.	Front (R) Out port	For 2/4/5.1/7.1 channel speaker systems, connects to the front right input on the powered speakers.
7.	Front (L) Out port	For 2/4/5.1/7.1 channel speaker systems, connects to the front left input on the powered speakers.
8.	Side Surround Out port	Connects to the surround channel input on 7.1 powered analog speakers.
9.	Center/Subwoofer Out port	Connects to the center/subwoofer input on 5.1/7.1 powered analog speakers.
10.	Rear Out port	Connects to the back surround input on 4/5.1/7.1 powered analog speakers.
11.	S/PDIF Out port	Coaxial digital output port. Connects to an external digital decoder or digital speaker systems, Home Theater systems, AV receivers for outputting digital audio including PCM, Dolby Digital, DTS, etc. Connects to the surround channel input on 4/5.1/7.1 powered analog speakers. Through S/PDIF-Out it will deliver stereo PCM and use DDL for 5.1 channel.
12.	USB Port	Connects to your computer using a USB Type B-A lead.
13.	USB Audio 1.0/2.0 switch	Move this switch to toggle between USB Audio 2.0 and USB Audio 1.0 connection. Use USB Audio 1.0 for plug and play. Use USB Audio 2.0 on a mac (Apple computer).



USB Audio 1.0/2.0 switch is located at the bottom side of the audio card. USB Audio 1.0 connection has the following limitations:

- Only supports playback features.
- 7.1 speakers, Headphone, Mic In / Line-In, and SPDIF Out can only support sample rates of 44.1KHz/48KHz @16-bit.

3. Driver Installation

3.1 Installing the Xonar U7 Card Driver

After installing the Xonar U7 audio card on your computer, you need to install the device driver that enables the Xonar U7 audio card to work with Windows® operating system.



-
- The driver is required only when you connect the Xonar U7 to a PC or notebook.
 - The version and content of the support CD are subject to change without notice.
-

To install the device driver:

1. Insert the ASUS Xonar U7 support CD into your optical drive. If Autorun is enabled, the ASUS Xonar Card Driver screen appears automatically. Go to step 4. If Autorun is not enabled in your computer, perform step 2.
2. Click My **Computer** on your desktop and double-click the optical drive icon.
3. Double-click **setup.exe** located on the optical drive.
4. Follow the on-screen instructions to complete the installation. Read, understand, and accept the **END USER LICENSE AGREEMENT** before continuing the installation.
5. When the installation finishes, you may be prompted to restart your computer. You can choose to restart the computer at a later time.

3.2 Uninstalling or Reinstalling the Xonar U7 Card Driver

3.2.1 Uninstalling the Xonar U7 Card Driver

To uninstall the Xonar U7 card driver:

1. Click **Start > Settings > Control Panel**.
2. Double click the **Add/Remove Programs** icon.
3. Click the **Change or Remove Programs** button.
4. Select the program that you want to remove and then click **Add/Remove** (or **Change/Remove**) button.
5. In the **InstallShield Wizard** dialog box, select **Remove**.
6. Restart your computer when prompted.

3.2.2 Reinstalling the Xonar U7 Card Driver

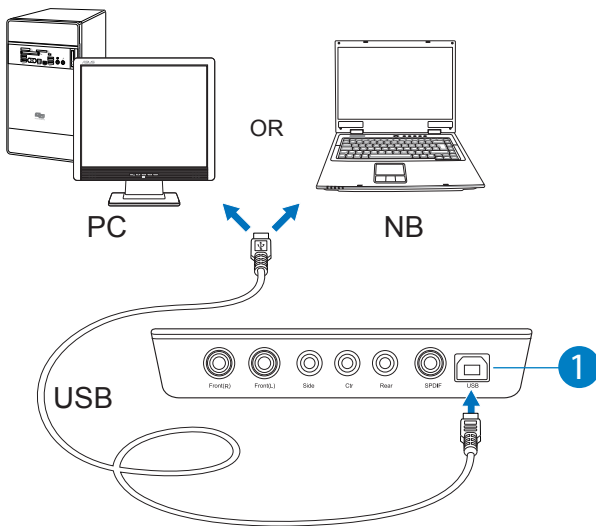
To reinstall the Xonar U7 card driver:

1. Uninstall the existing software or driver.
2. Follow the installation process to reinstall the driver.

4. Connecting Speakers and Peripherals

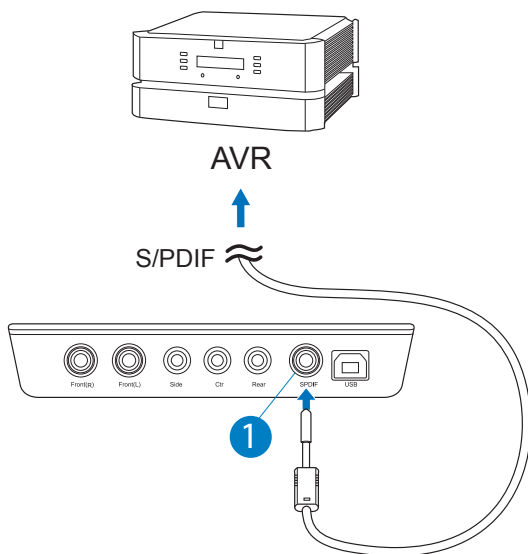
4.1 Input connection

4.1.1 Connecting to a USB 2.0 port on your computer



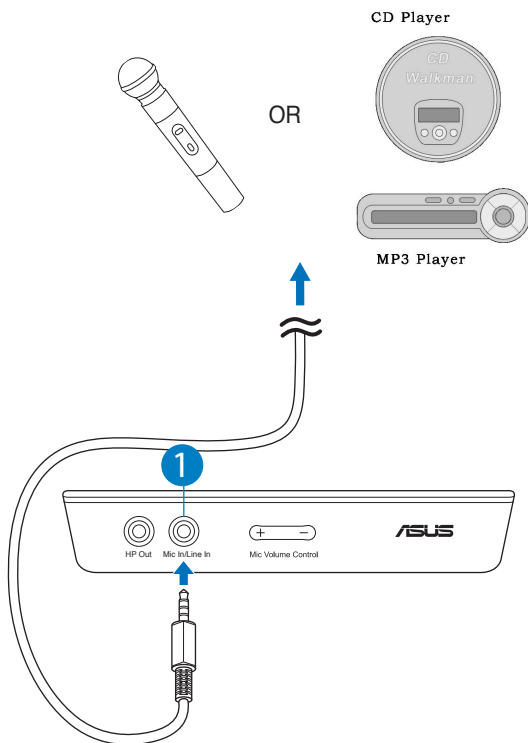
No.	Items	Description
1.	USB Port	Connects to your computer using a USB Type B-A lead.

4.1.2 Connecting digital audio systems



No.	Items	Description
1.	S/PDIF Output port	Connect an AVR to this S/PDIF output port.

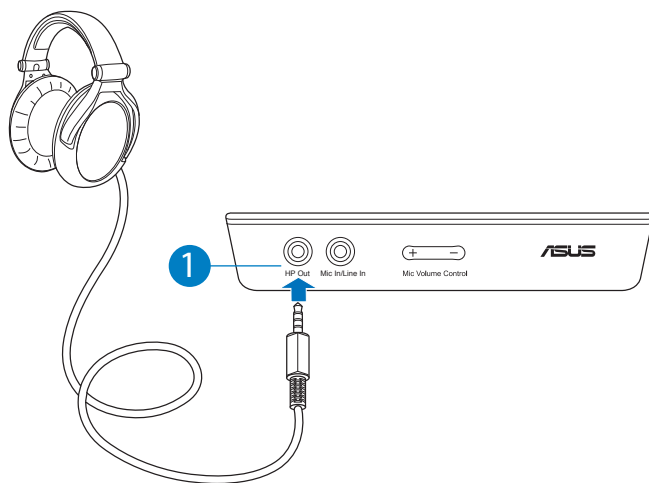
4.1.3 Connecting microphone / Line-In



No.	Items	Description
1.	Microphone In / Line In port	<p>Connect the microphone's 3.5mm plug into this Mic-In port for voice communication, recording, or karaoke.</p> <p>Connect the 3.5mm plug of the CD/MP3 Player or any other Line level analog audio sources into this Line-In port for sound recording.</p>

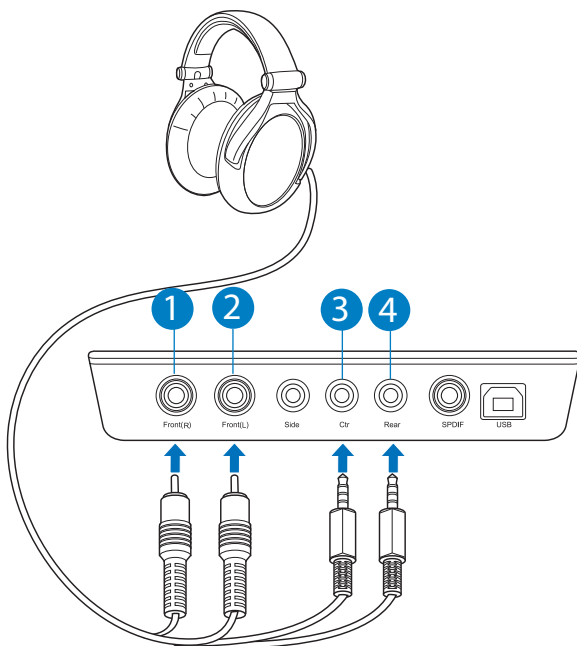
4.2 Output connection

4.2.1 Connecting Stereo Headphones



No.	Items	Description
1.	Headphone Out Port	The Headphone Out port has a built-in high-quality amplifier to drive headphones. Connect your stereo headphones directly to this port.

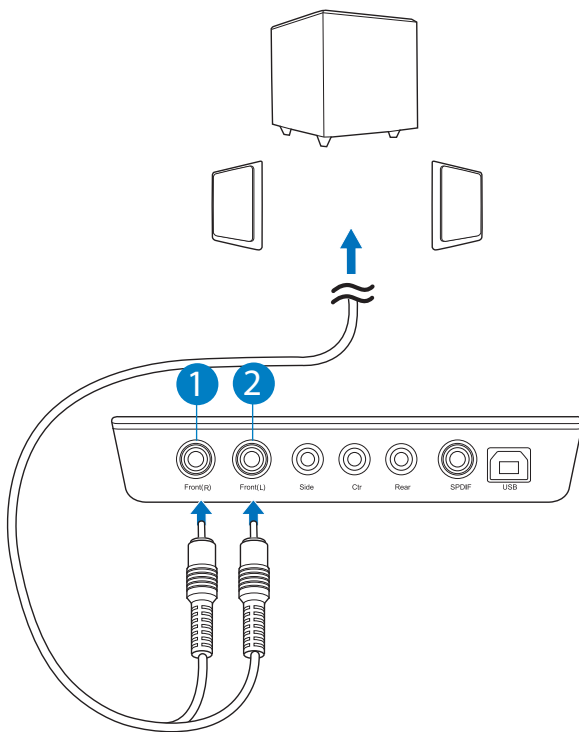
4.2.2 Connecting 5.1 channel headphones



No.	Items	Description
1.	Front (R) Out port	Connects to the front right input port of 5.1 channel headphones using the RCA cable.
2.	Front (L) Out port	Connects to the front left input port of 5.1 channel headphones using the RCA cable.
3.	Center/Subwoofer Out port	Connect the Center/Bass-channel 3.5mm plug of your 5.1 channel headphone into this jack.
4.	Rear Surround Out port	Connects to the rear surround input port of your 5.1 channel headphone.

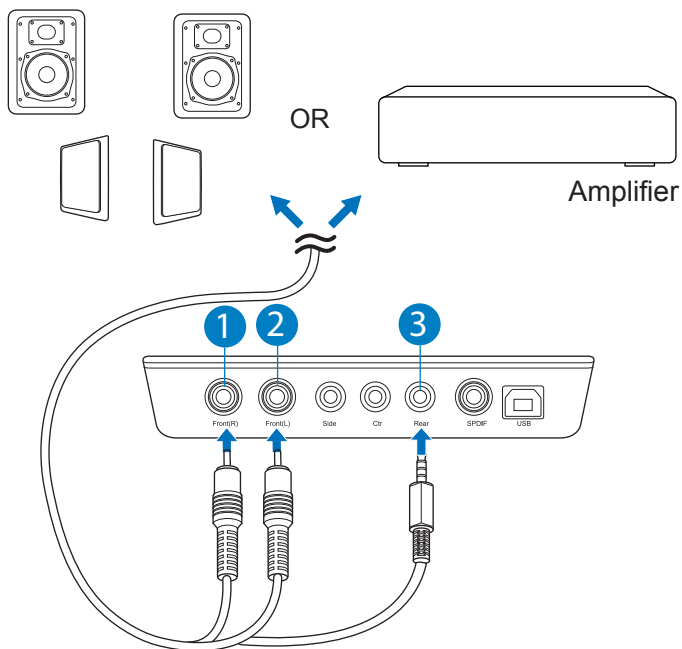
4.2.3 Connecting analog speaker systems

Connecting 2 channel speakers



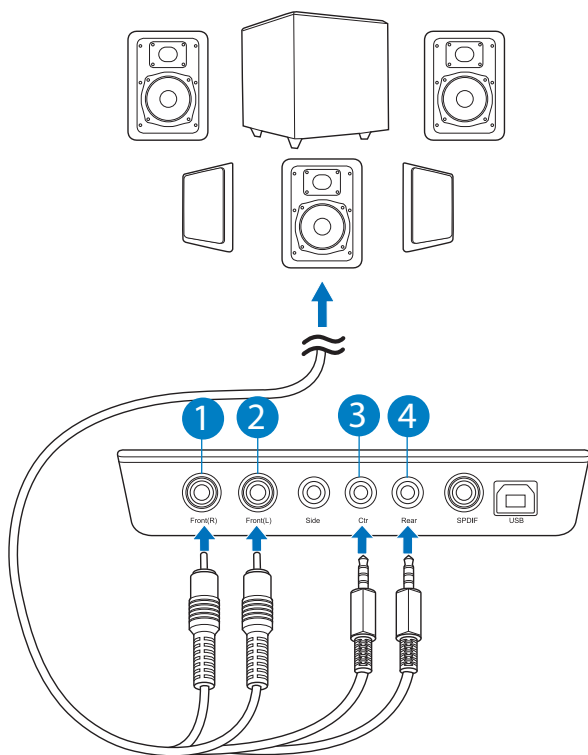
No.	Items	Description
1.	Front (R) Out port	Connects to the front right input port of 2 channel speakers using the RCA cable.
2.	Front (L) Out port	Connects to the front left input port of 2 channel speakers using the RCA cable.

Connecting 4 channel speakers / power amplifier



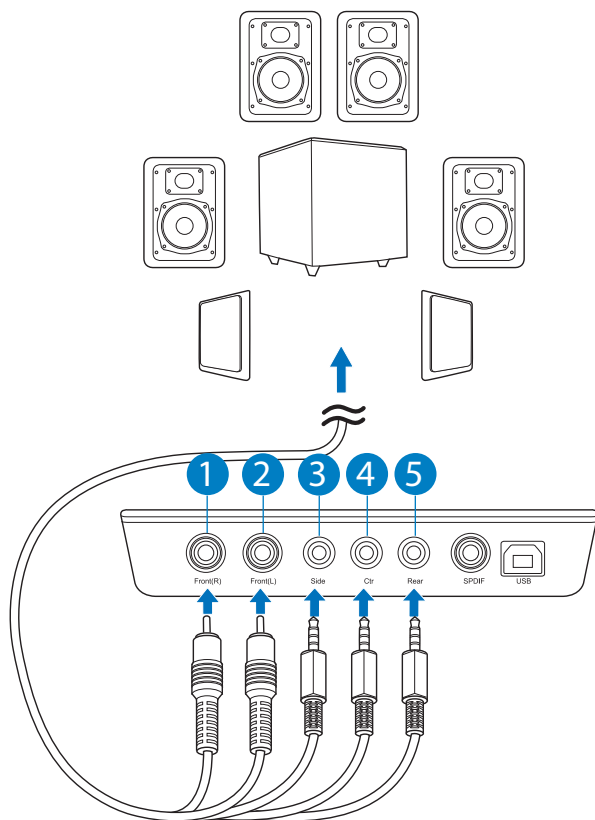
No.	Items	Description
1.	Front (R) Out port	Connects to the front right input port of 4 channel speakers.
2.	Front (L) Out port	Connects to the front left input port of 4 channel speakers.
3.	Rear Surround Out port	Connects to the rear surround input port of 4 channel speakers.

Connecting 5.1 channel speakers



No.	Items	Description
1.	Front (R) Out port	Connects to the front right input port of 5.1 channel speakers.
2.	Front (L) Out port	Connects to the front left input port of 5.1 channel speakers.
3.	Center/Subwoofer Out port	Connects to the Center and Subwoofer input ports of 5.1 channel speakers.
4.	Rear Surround Out port	Connects to the rear surround input port of 5.1 channel speakers.

Connecting 7.1 channel speakers



No.	Items	Description
1.	Front (R) Out port	Connects to the front right input port of 7.1 channel speakers.
2.	Front (L) Out port	Connects to the front left input port of 7.1 channel speakers.
3.	Side Surround Out port	Connects to the Left surround and Right surround input ports of 7.1 channel speakers.
4.	Center/Subwoofer Out port	Connects to the Center/Subwoofer input port of 7.1 channel speakers using the mini-jack cable.
5.	Rear Surround Out port	Connects to the rear surround input port of 7.1 channel speakers.

5. Xonar U7 Driver Guide

5.1 Introduction to the Xonar U7 Audio Center GUI

After finishing the driver installation and rebooting your computer, you will find the Xonar U7 Audio Center's icon in the system tray on the bottom right-hand corner of the screen. Double click this icon to open the Xonar Audio Center utility.



If the icon could not be found in the system tray, go to the Windows® Control Panel and double click the **Xonar U7 Audio Center** icon.

5.1.1 Function Pop-up Menu

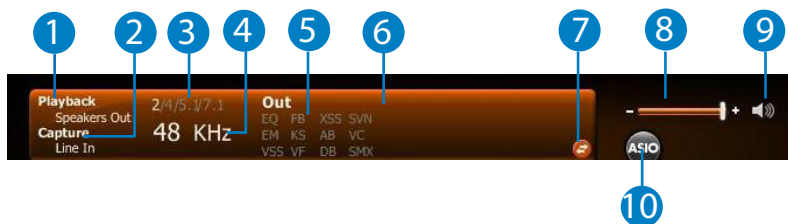
Xonar Audio Center provides several sound effects. There is a pop menu for each output / input device and you can enter the sound effect page to enjoy music, movie and gaming.

To open the pop-up menu:

1. Double-click the left button of the mouse on the Device icon.
2. Left-click the mouse on the Device icon.



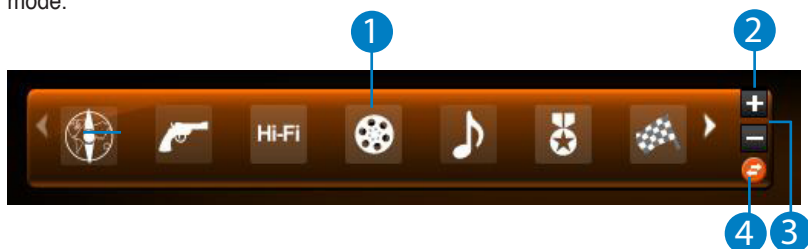
5.1.2 Audio Status Panel



No.	Items	Description
1.	Playback (Speaker Out)	Indicates the output default device.
2.	Capture (Mic In)	Indicates the input default device.
3.	Speaker Numbers	Indicates the speaker numbers for Speaker device only.
4.	Sample Rate	Indicates the sample rate of playback sources.
5.	Audio Output effect indicator	Indicates the playback sound effect status. Abbreviation of Sound effect: EQ: Equalizer EM: Environment Effects VSS: 7.1 Virtual Speaker Shifter FB: Flex Bass II KS: Xear SingFX for key shifting VF: Xear SingFX for vocal fading AB: Xear Audio Brilliant DB: Xear Dynamic Bass SVN: Xear Smart Volume VC: Xear Voice Clarity SMX: Xear Surround Max
6.	In effect indicator	Indicates the playback sound effect status. Abbreviation of Sound effect: SF: Xear SingFX for microphone echo SF: Xear SingFX for Magic Voice
7.	Switch to Profile Panel button	Click to switch the status bar to the Profile panel.
8.	Volume Adjustment bar	Click to increase or decrease volume.
9.	Mute / Unmute	Click to mute or unmute a device.
10.	ASIO	Click to launch the ASIO control panel.

5.1.3 Profile Panel

This profile panel for sound effect contains a preset mode and a user-defined mode.



No.	Items	Description
1.	Profile Mode	Click to select the presets in profile mode.
2.	Add Profile	Adjust specific sound effects (EQ, EM etc...) settings and click "+" to create a user-defined mode.
3.	Delete Profile	Click to delete a user-defined mode.
4.	Switch Button	Click to switch between the Profile panel and Audio Status Panel.

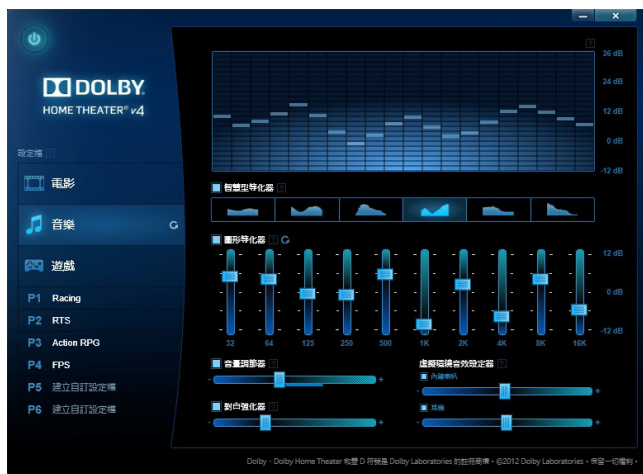
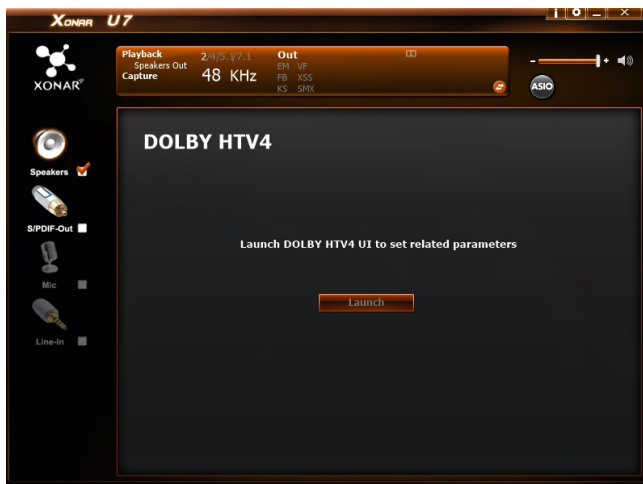
5.2 Input Device Function Introduction



Click the device icon on the left side to open the pop-up menu.

5.2.1 Dolby® Home Theater (Windows® 7 and above Only)

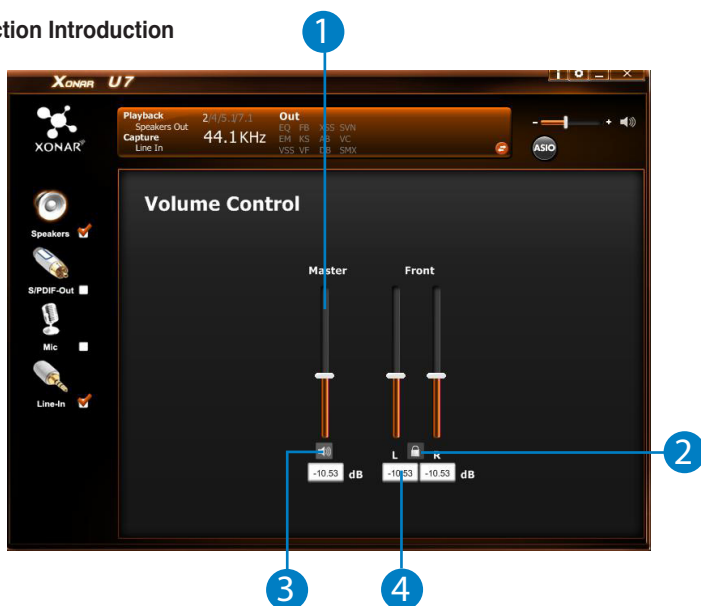
Function Introduction



- The following items will be replaced by Dolby® Home Theater V4 under Windows® 7 and above Operating System.
 - 7.1 Virtual Speaker Shifter
 - 10-Band Equalizer
- Refer to Dolby's official manual for Dolby® Home Theater V4 functions.

5.2.2 Volume Control

Function Introduction

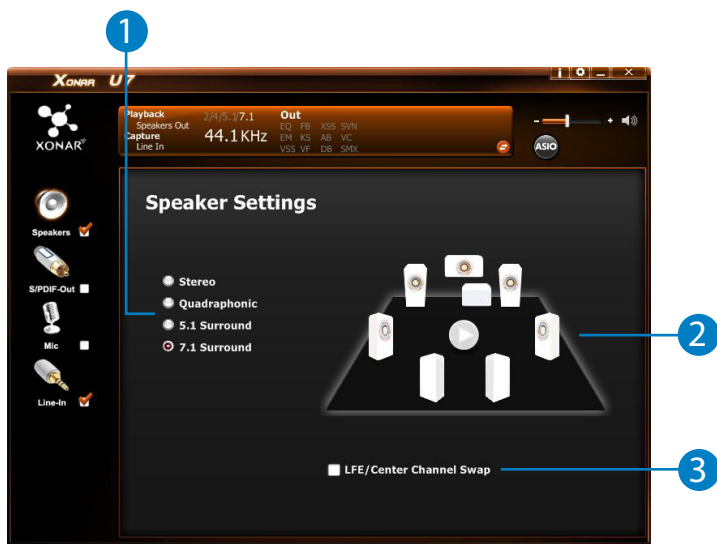


The function allows you to control the volume of the Speaker.

No.	Items	Description
1.	Volume Control bar	Master – Adjust the volume level for all channels. Front - Adjust the volume level for the front channel.
2.	Left/ Right Channel Lock	Click to lock the left / right channel to sync L/R channel.
3.	Mute / Un-mute	Click to mute or unmute all channels.
4.	dB Input Area	Key in a dB value in this field to set the volume level.

5.2.3 Speaker Settings

Function Introduction

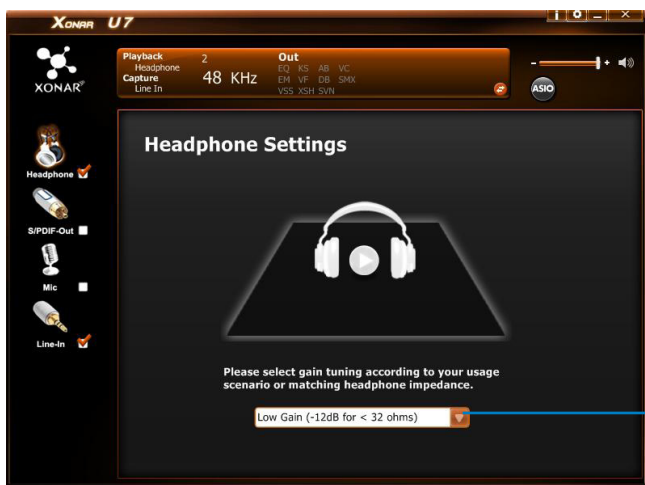


This function allows you to set the speaker numbers (stereo, quadraphonic, 5.1 surround, 7.1 surround).

No.	Items	Description
1.	Setting items	Select an item to set.
2.	Speaker Test	Click to test the speaker that you select.
3.	LFE / Center Channel Swap	When enabled, the function can swap the audio stream between Center/LFE (Available for 5.1 and above).

5.2.4 Headphone Settings

Function Introduction

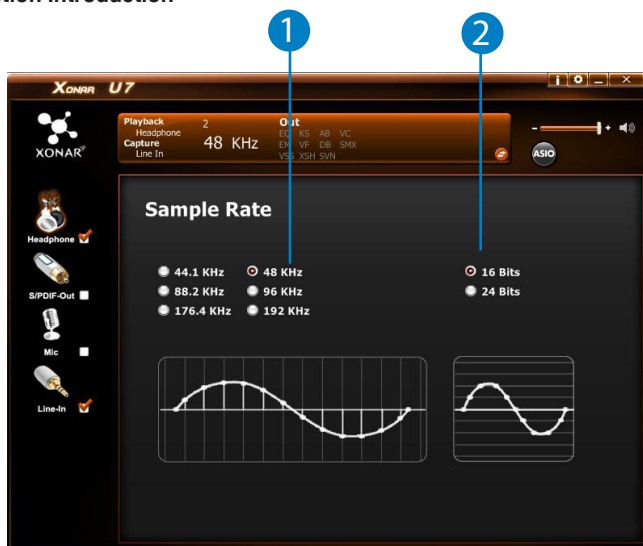


This function allows you to configure gain settings based on your headphone's impedance.

No.	Items	Description
1.	Low Gain	0dB for < 32 ohms
	Medium Gain	6dB for 32 ~ 64 ohms
	High Gain	12dB for > 64 hms

5.2.5 Sample Rate

Function Introduction

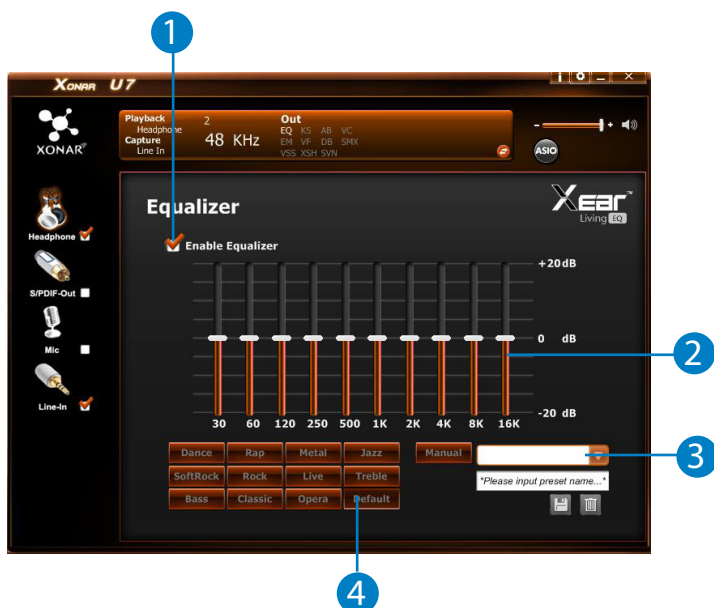


This function allows you to set the sample rate for the Speaker.

No.	Items	Description
1.	Sample Rate button	44.1 KHz - set the playback sample rate to 44.1K 48 KHz - set the playback sample rate to 48K 88.2 KHz - set the playback sample rate to 88.2K 96 KHz - set the playback sample rate to 96K 176.4 KHz - set the playback sample rate to 176K 192 KHz - set the playback sample rate to 192K
2.	Bit Depth button	16bit - set the playback bit depth to 16bit 24bit - set the playback bit depth to 24bit

5.2.6 Equalizer (Windows® XP only)

Function Introduction

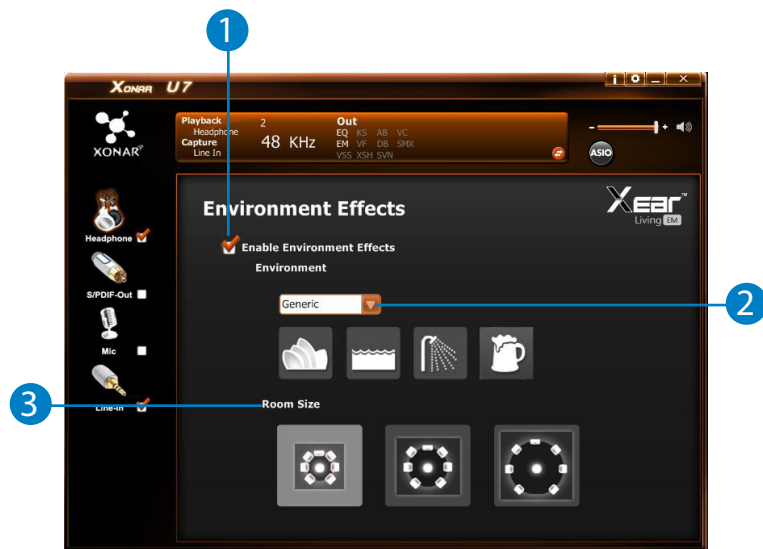


This 10-band EQ function allows you to adjust the EQ band manually and create customized preset items or click to select a preset EQ mode.

No.	Items	Description
1	EQ enable / disable switch	Click to enable / disable EQ.
2	EQ band controller	Change the gain setting for each band (30/ 60/ 120/ 250/ 500/ 1K/ 2K/ 4K/ 8K/ 16K).
3	Manual mode	Change the gain setting for each band, key in a name in the input field and then click save to add your new setting. New setting will appear in the Manual Mode List. Click trash to delete settings.
4	Preset mode	Select a preset mode for equalizer that is designed accordingly. There are 12 preset modes such as Bass, Treble, Live, Rock, Jazz, etc.

5.2.7 Environment Effect

Function Introduction



This function provides 28 special environment emulations for different sound reflections and revweberation.

No.	Items	Description
1.	Environment Effect enable/disable switch	Click on the check box to enable / disable Environment Effect.
2.	Environment Effect mode	Click on an Environment Effect button or drop the dropdown list to choose an Environment Effect.
3.	Room Size	Change the Room Size icon to simulate a larger or smaller space.

5.2.8 7.1 Virtual Speaker Shifter (Windows® XP only)

Function Introduction



No.	Items	Description
1.	7.1 Virtual speaker shifter enable/disable switch	Click on the check box to enable / disable 7.1 Virtual Speaker to simulate the speaker direction and distance.
2.	Virtual Speaker (L/R/Ls/Rs/Lb/Rb/Cb/W)	Each virtual speaker virtualizes one channel of the 7.1 channel speakers in the real world.
3.	Volume Control	Each virtual speaker virtualizes one channel of the 7.1 channel speakers in the real world.
4.	Volume indicator	Indicate the volume of each channel.
5.	Reset	Reset the location of virtual speakers / virtual listener to default.
6.	Manual Shifting (Free Moving Mode)	Use the pointer to click and drag to move the location of individual virtual speakers.
7.	Manually Rotation Mode	Use mouse to rotate the virtual speakers on the screen manually.
8.	Auto Rotation Mode	The virtual speakers rotate clockwise or counterclockwise slowly.

5.2.9 Flex Bass II

Function Introduction

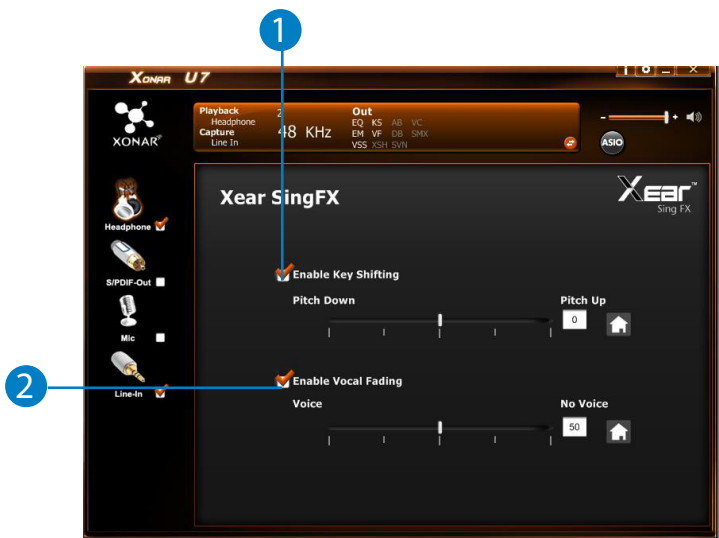


This function allows you to increase / decrease the LFE strength. This function would cut the low frequency band (50~250Hz) of stereo music content (eg. Mp3,WMA, CD Audio) and transfer to subwoofer or each speaker.

No.	Items	Description
1.	Flex Bass II enable/disable switch	Click on this check box to enable / disable Flex Bass II.
2.	Bass Level	The bass level range is from -12 to 12dB.
3.	Speaker Size	Small Speaker w/o bass When the speaker size is set to small, you can hear the sound resonance more obvious and reverberation from subwoofer. Larger Speaker w/o bass When the speaker size is set to small, you can hear the sound resonance more obvious and reverberation from subwoofer.
4.	Speaker Diagram	You can also check the speaker size from this home theater diagram.
5.	Cut Off Frequency	The cut off range of low frequency is from 50Hz to 250Hz.

5.2.10 Xear SingFX

Function Introduction

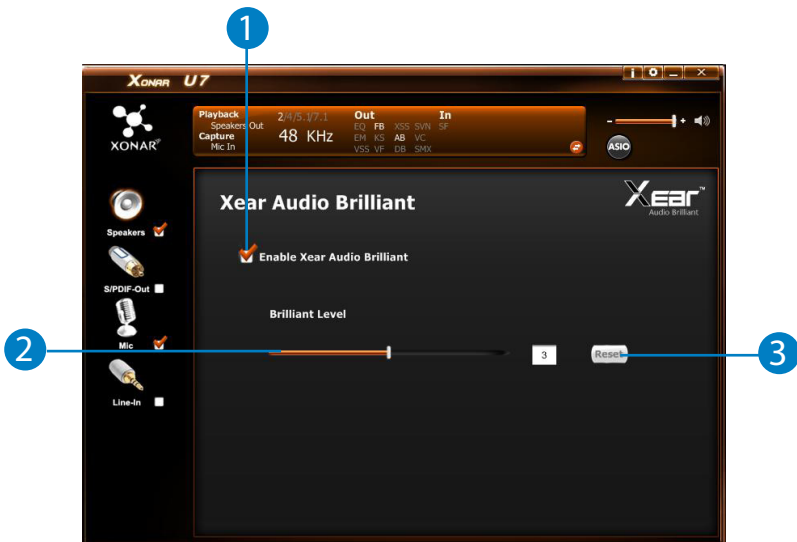


Xear SingFX function provides two features for karaoke applications.

No.	Items	Description
1.	Key Shifting switch	It provides the key change function. There are four steps to shift up or down. Use the slide bar to change the key level.
2.	Vocal Fading	It provides the vocal removing function for any stereo music content (eg. Mp3, WMA and CD). Use the slide bar to change the vocal fading level.

5.2.11 Xear Audio Brilliant (Windows® XP only)

Function Introduction

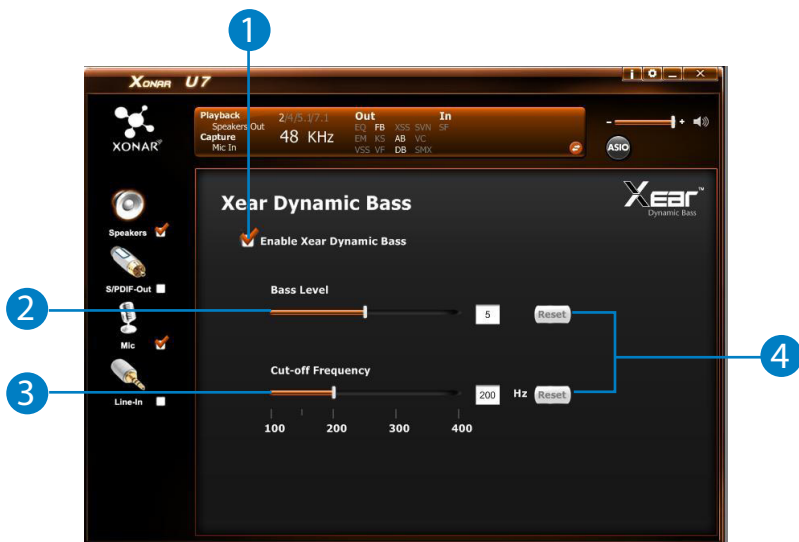


Xear Audio Brilliant function restores the clarity and details of compressed audio to music, movies and games (mp3, wma, aac, ac3, etc.)

No.	Items	Description
1.	Xear Audio Brilliant enable/disable option	Tick to enable or disable the Xear Audio Brilliant function.
2.	Brilliant Level	Drag to increase or decrease the Brilliant Level.
3.	Reset button	Click to reset to the factory default settings.

5.2.12 Xear Dynamic Base (Windows® XP only)

Function Introduction

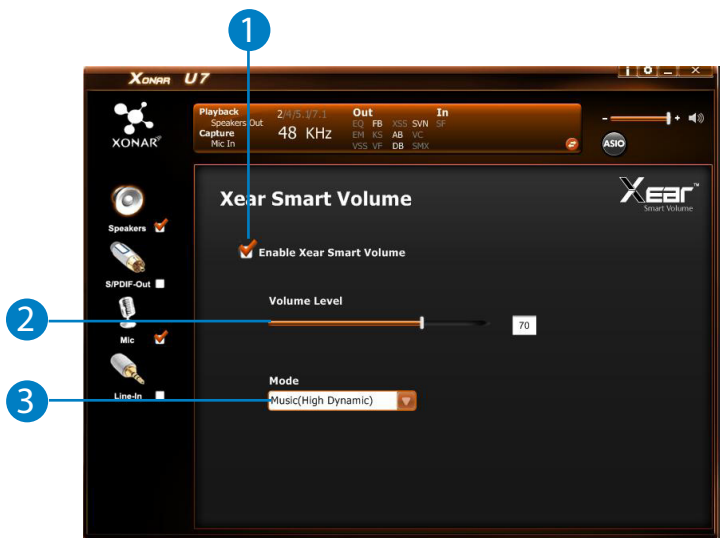


Xear Dynamic Base function increases the bass reproduction effect for small speaker drivers by using psychoacoustic techniques.

No.	Items	Description
1.	Xear Dynamic Base enable/disable option	Tick to enable or disable the Xear Dynamic Base function.
2.	Base Level	Drag to increase or decrease the Brilliant Level.
3.	Cut-off Frequency	Drag to adjust the Cut-off Frequency.
4.	Reset button	Click to reset to the factory default settings.

5.2.13 Xear Smart Volume (Windows® XP only)

Function Introduction



Xear Smart Volume function normalizes the music's sound volume automatically.

No.	Items	Description
1.	Xear Smart Volume enable/disable option	Tick to enable or disable the Xear Smart Volume function.
2.	Volume Level	Drag to increase or decrease the Volumet Level.
3.	Mode	Select Music mode or Speech mode.

5.2.14 Xear Voice Clarity (Windows® XP only)

Function Introduction

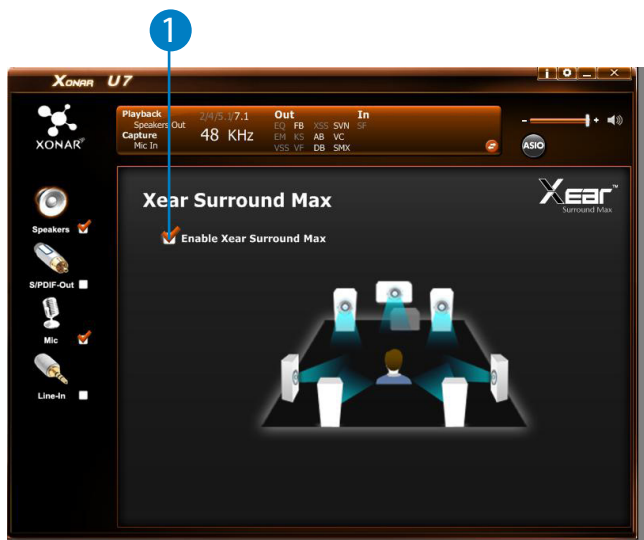


Xear Voice Clarity function increases the clarity, intelligibility and prominence of the voice received from VoIP, games, music or movies without suppressing or changing other audio stream.

No.	Items	Description
1.	Xear Voice Clarity enable/disable option	Tick to enable or disable the Xear Voice Clarity function.
2.	Voice Clarity Level	Drag to increase or decrease the Voice Clarity Level.
3.	Noise Suppression for communication	Click to select the level of background noise elimination.
4.	Reset button	Click to reset to the factory default settings.

5.2.15 Xear Surround Max

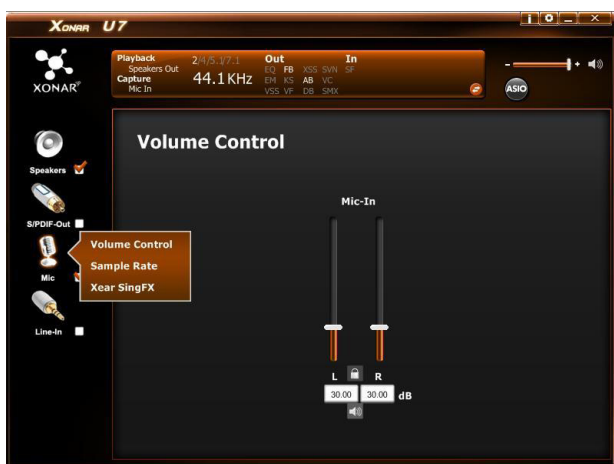
Function Introduction



No.	Items	Description
1.	Xear Surround Max enable/disable option	Tick to enable or disable the Xear Surround Max function.

5.3 Mic-In, Line In Device Function Introduction

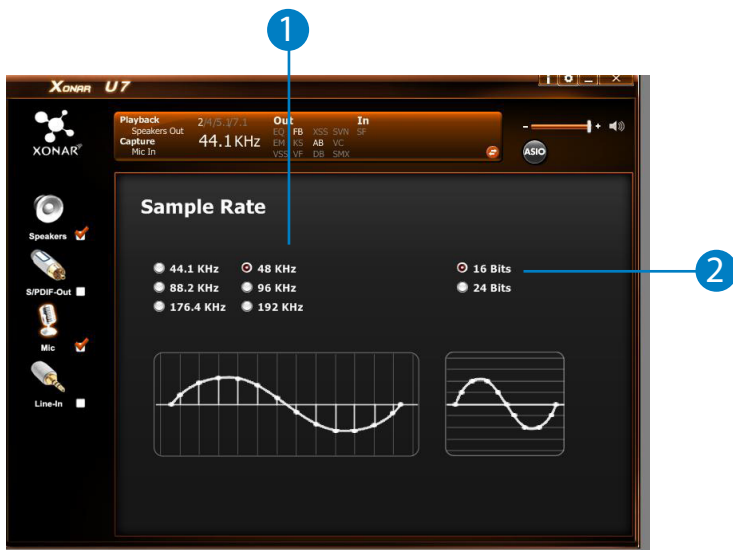
Function Introduction



Click the device icon on the left side to open the pop-up menu.

5.3.1 Sample Rate

Function Introduction

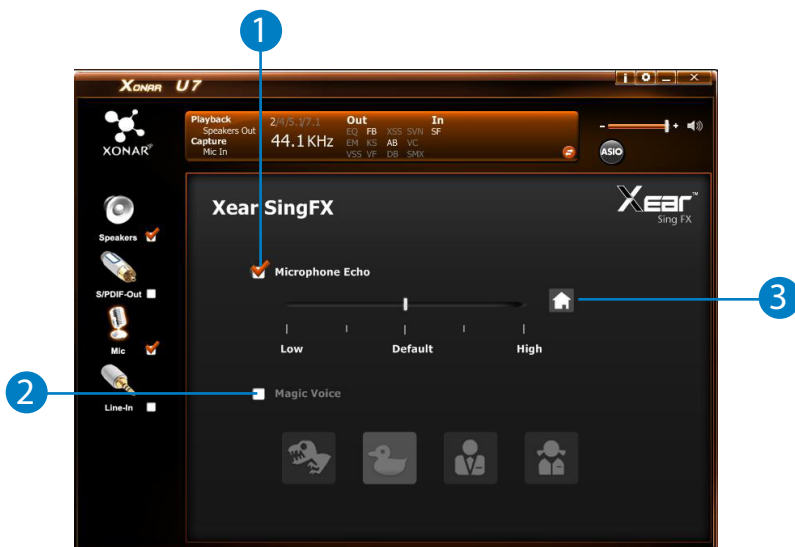


This function page allows you to set the sample rate.

No.	Items	Description
1.	Sample Rate button	44.1 KHz - set the playback sample rate to 44.1K 48 KHz - set the playback sample rate to 48K 96 KHz - set the playback sample rate to 96K 192 KHz - set the playback sample rate to 192K
2.	Bit Depth button	16bit - set the playback bit depth to 16bit 24bit - set the playback bit depth to 24bit

5.3.2 Xear SingFX (Mic In only)

Function Introduction



No.	Items	Description
1.	Microphone Echo enable / disable option	Tick to enable or disable the Microphone Echo function. Drag the slide bar below to adjust the echo level.
2.	Magic Voice mode enable / disable option	Tick to enable or disable the Magic Voice mode. Select an icon below to apply the magic voice mode (monster, carton, male and female).
3.	Reset button	Click to reset to the factory default settings.

5.4 Information Page Introduction

This page lists the driver information and the technologies' trademark logo. You can get both hardware/software details and legal information references here.



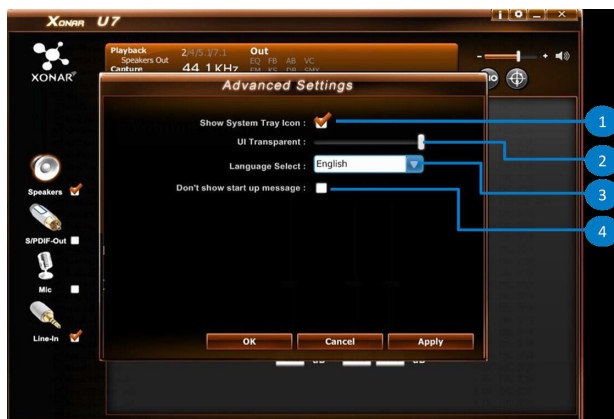
Click the Information button on the upper right corner of the user interface to display the detailed information of the device.

5.5 Tray Icon Function Introduction

Open the **CPL Tray Icon Function List** by right-clicking the tray icon in the system tray area.

1. **Open:** Click the **Open** item to restore the USB Audio Software CPL.
2. **Volume Control:** Click the **Volume Control** item to launch the Volume Mixer of Windows OS, which allows you to control the volume of speakers and other audio devices separately.
3. **Windows Media Player:** Click the **Windows Media Player** item to launch the Microsoft Windows Media Player.
4. **Sound Recorder:** Click the **Sound Recorder** item to open the Windows Sound recorder.
5. **Multimedia Properties:** Launch the **Multimedia Properties** page of Windows OS to select the working sample rate & bit rate.
 - (1) Select the **Speakers** device and then click the **properties** button.

- (2) Click the **Advanced** tab and click the dropdown list to open default format support list as shown in the diagram below.
 - (3) Follow the same step to change the sample rate & bit rate for **Microphone** device.
6. **Settings:** Click **setting** to launch the **Advanced Settings** page as shown below.



- (1) **Show System Tray Icon:** Check **Show System Tray Icon** box to show the Xear Audio center icon in the system tray.
 - (2) **UI Transparent:** Adjust the UI vision of transparent.
 - (3) **Language Select:** Change the UI language.
 - (4) **Don't show start up message:** Check the box to hide or show the start up message.
7. **Exit:** Click **Exit** to exit the tray Icon from the system tray.

6. Troubleshooting

1. I cannot install the audio card driver in my PC.

- (1). Ensure that you have switched the USB sound card to USB Audio 2.0 and plugged it to the USB port.
- (2). Make sure that the LEDs light up.
- (3). Ensure that you have the latest driver version.
- (4). Check that the Windows hardware Device Manager has detected the device.
- (5). Restart your computer.
- (6). Try to plug the device into another USB port.

2. I cannot find the Xonar U7 Audio Center.

- (1). Make sure you have installed the driver.
- (2). Find the Xonar U7 Audio Center icon in the system tray on the right bottom of the screen. Double click the icon to launch the Xonar U7 Audio Center utility.



- (3). If you cannot find the icon in the system tray, go to the Windows Control Panel and double click the **Xonar U7 Audio Center** icon to make it visible in the system tray again.
- (4). After the driver installation is complete, it's recommended that you reboot your computer to complete the setup. If the icon still doesn't appear, please try installing the driver package again.

3. I can't hear any sound from my analog speakers

- (1). Ensure that you have connected speakers properly and have powered on your speakers.
- (2). Ensure that the device master volume or the software player has NOT been muted in the Xonar U7 Audio Center.
- (3). Ensure that the output LED indicator matches the output source configured in the device.

- (4). If you are using Dolby Digital Live encoder through the S/PDIF output, the analog output will be muted to get rid of the interference between your digital speaker system and analog speakers or headphones. Please check if this is the case.
- (5). Please go to the sound and audio device of Windows® Control Panel to check whether the playback default device is set to Xonar U7 Audio Device, instead of other onboard AC97 or HDA codec device. If it's not, please set it to Xonar U7 Audio Device and restart your applications.
- (6). Restart your computer.

4. I can't hear any sound from the S/PDIF output

- (1). Ensure that you have enabled S/PDIF output in the Audio Center GUI (Main page).
- (2). Ensure that you have connected the correct S/PDIF output jack in the card to the decoder's (AV receiver) S/PDIF input jack.
- (3). You may need to select the correct input and mode of your decoder or AV receiver. For Dolby Digital or DTS output, double check that the AV receiver is in that decoding mode.
- (4). If you are using 192KHz PCM output, make sure that your decoder can support 192KHz decoding. Try changing it to 44.1K or 48KHz first.